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ABSTRACT

A survey of 2,338 students entering Kapiolani Community College (KCC), Hawaii, in Fall 1980 was conducted during registration to determine students' educational objectives and to assess the financial, employment, and academic factors that may affect college success. The survey instrument asked students to indicate their: (1) reasons for attending college and choosing KCC; (2) career and degree goals; (3) work experience in their fields of interest; (4) degree of concern about college expenses; (5) sources of financial support; (6) present employment status; (7) average grade in high school; (8) perceptions of their preparation in eight curricular areas; and (9) perceptions of the likelihood of selected events, such as attaining a degree, utilizing counseling services, or finding work in their major field. Selected findings, based on 1,573 usable returned questionnaires, indicate that 62% of the students were female, 70% were 21 years old or younger, and 57% were attending full-time. Most respondents (68%) were preparing for a career, 33% intended to earn a bachelors degree, and 58% were relying upon wages and savings for financial support while in school. Only 10% of the respondents felt they were inadequately prepared in the areas of reading and writing, and most students felt they had a good chance of attaining a B average. The study report details methodology and findings. (JP)

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RESULTS OF THE FALL 1980 ENTERING STUDENT SURVEY

Report 7

Student Flow Program

U S DEPARTMENT OF HEALTH, EDUCATION & WELFARE
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October 1980

Office of the Provost
Kapiolani Community College
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2. Plan for Analysis

While we recognized that registration is often a hectic and bewildering experience for entering students, we again opted to contact the entering students at that time. Since measures were taken to improve the collection of the surveys, we were optimistic and hoped for a return rate close to 85 percent. No follow-up was planned.

The plan for analysis included (a) tests of representativeness, i.e., comparing respondents and non-respondents on the following characteristics: sex, entry age, enrollment status, educational objective, program, and entry status; (b) cross tabulations of responses by program and any of the above characteristics on which respondents are representative of the total. Chi-square analysis was to be applied through the use of the Statistical Package for the Social Sciences (SPSS). Results are disregarded when more than one-fourth of the expected frequencies are under five.

Finally, all questionnaires, with an indication only of the students' majors, would be returned to the chairmen of the various instructional programs. This was to be done while the report was being prepared to give this group of administrators early feedback about how students in their programs responded to the survey.

3. Organization of this Report

The remainder of this report contains a discussion of each of the following:

- conduct of the survey
- returns
- findings
- concluding comments

While responses to each item in the survey (see Appendix A for a copy) are summarized in the section on findings, Appendices B and C include further details for all items by program only. Details, by sex, are available in the institutional research unit. Interested campus personnel are encouraged to study these data.

B. Conduct of the Survey

As planning for the Fall 1980 Entering Student Survey progressed, it was evident that the institutional research unit would need help from other campus personnel, particularly in Student Services, as well as off-campus personnel.

1. Identification of Entering Students

Identification of entering students was done with computer support through the Management Systems Office (MSO) of the University of Hawaii. The data base maintained there was used to prepare a set of labels which were then affixed to the surveys by student workers from the Office of Admissions and Records. The "labeled surveys" were then placed in the appropriate registration packets for distribution.

2. Administration of Entering Student Survey

On August 20 and 21, each entering student received the survey, accompanied by an explanatory note, in his/her registration packet.

Of 1,972 surveys returned, all but 15 came from students as they completed their registration and paid their fees. Student Services personnel were involved in this phase: both encouraging the students to fill out the questionnaires and then collecting them.

The surveys were edited and were coded according to predetermined codes. They were then keypunched by the University's Computing Center.

C. The Returns

During the editing and coding process, 49 surveys were found to be either blank or lacking an identification number (15). We could not use the latter surveys because there would be no way of summarizing their responses on the basis of group characteristics.

1. Percentage of Returns

While 1,923 surveys were taken for keypunching, only 1,573 (67 percent) matched registration records for entering students. Since procedures for registration assign new, transfer, and returning students to register as a group, it is possible that the "extra" surveys came from returning students or from entering students no longer registered in the third week of the semester when the preliminary enrollment count is taken.

2. Representativeness of Respondents

Data on the representativeness of returns are found in Table 1. Respondents did not differ significantly from non-respondents on only one characteristic: sex.

TABLE 1

REPRESENTATIVENESS DATA
ENTERING STUDENT SURVEY
KAPIOLANI COMMUNITY COLLEGE
FALL 1980

Characteristics[a]	Entering Student Population No.	V%	Respondents No.	V%	Non-Respondents No.	V%
TOTAL	2338	*100.0*	1573	*100.0*	765	*100.0*
PROGRAM***						
Liberal Arts	1033	*44.2*	694	*44.1*	339	*44.3*
Business	574	*24.6*	427	*27.1*	147	*19.2*
Food Svc and Hoper[b]	344	*14.7*	253	*16.1*	91	*11.9*
Health Services	99	*4.2*	57	*3.6*	42	*5.5*
Legal Assistant	30	*1.3*	10	*0.6*	20	*2.6*
Unclassified	256	*10.9*	130	*8.3*	126	*16.5*
SEX[c]						
Female	1454	*62.2*	980	*62.3*	474	*62.0*
Male	876	*37.5*	587	*37.3*	289	*37.8*
AGE***						
Below 19 years	870	*37.2*	669	*42.5*	201	*26.3*
19-21 years	641	*27.4*	417	*26.5*	224	*29.3*
22-24 years	269	*11.5*	163	*10.4*	106	*13.9*
25-29 years	288	*12.3*	163	*10.4*	125	*16.3*
Over 29 years	268	*11.5*	160	*10.2*	108	*14.1*
ENROLLMENT STATUS***						
Full-time	1218	*52.1*	896	*57.0*	322	*42.1*
Part-time	1120	*47.9*	677	*43.0*	443	*57.9*
EDUCATIONAL OBJECTIVE***						
None	255	*10.9*	130	*8.3*	125	*16.3*
Certificate	289	*12.4*	206	*13.1*	83	*10.8*
AS	754	*32.2*	536	*34.1*	218	*28.5*
AA	1037	*44.4*	698	*44.4*	339	*44.3*
ENTRY STATUS***						
New	1656	*70.8*	1155	*73.4*	501	*65.5*
Transfer	682	*29.2*	418	*26.6*	264	*34.5*

[a]Levels of significance, based on chi-square analysis, are denoted thus: * .05, ** .01, *** .001.

[b]The Food Services and Hospitality Education Department was officially established beginning Fall 1980. At this time, the hotel operations program was transferred; prior to this time, it was in Business.

[c]Omitted from the table are 8 students who provided no data on their sex.

Higher proportions of the following groups were found among the respondents[1] than the entering student population:

- business majors (27% vs 25%)
- students below 19 years (43% vs 37%)
- full-time students (57% vs 52%)
- AS degree students (34% vs 32%)
- new students (73% vs 71%)

D. Findings

The results of the Fall 1980 Entering Student Survey are presented in two sections. The first deals generally with items related to the college plans of entering students, e.g., their reasons for coming to college and for selecting Kapiolani Community College, their plans regarding highest degree and occupation, and their work experience. The second section relates to factors which may affect college success and includes data on financial concerns and sources of support, present employment, approximate high school grade point average and self-perceptions regarding previous preparation in various areas (math, science, study skills, etc.), and selected events (attend classes regularly, change major, find a job in field of study, etc.).

1. Nature of College Plans

Five items in the survey dealt with the nature of the student's college plans. For convenience, the items will be discussed in chronological order as they appeared in the survey.

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[1]The data also show that there were 10 (out of 30) legal assistant students who responded to the survey and that not all of the 10 responded to each item. This should be borne in mind in interpreting the findings which follow. High proportions of surveys from legal assistant majors were returned completely blank (4) or without an identification number (12).

a. Reasons for Attending College (Item 1)--Data are reported in two ways: the single most important reason and all reasons for attending college.[2]

The following three responses were selected most often as the single most important reason for attending college (Appendix B, Table B-1):

579	47%	prepare for a career
266	22%	get a certificate or degree
225	18%	transfer to a four-year college

While attending college to prepare for a career was the single most important reason among respondents in all programs, this was especially true for vocational education majors in health (61%), food services and hotel operations (55%), and business (52%).

Unlike the rest of the respondents, but as expected, greater proportions of liberal arts majors indicated transfer to a four-year college (31%) ahead of getting a certificate or degree (18%).

The tallies of all reasons for attending college (Appendix B, Table B-1) reveal the same rank in choice for the great majority of items. The top five reasons were:

1075	68%	prepare for a career
917	58%	get a certificate or degree
598	38%	transfer to a four-year college
519	33%	enrich daily life
385	25%	meet people and make friends

b. Reasons for Selecting this College (Item 2)--Data are reported in two ways: the single most important reason and all important reasons for selecting Kapiolani.[2]

Responses to the single most important reason differed significantly by program and by sex (Appendix B, Table B-2). The dominant responses were:

404	34%	desired courses
249	21%	close and convenient location

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[2] It should be noted that the following numbers of students did not identify their most important reason: Item 1 = 334, Item 2 = 385.

Health majors (90%), in contrast to liberal arts majors (18%), selected Kapiolani because of the courses offered. Of importance is the proportion of unclassified students (33%) and liberal arts majors (27%) who find Kapiolani's location close and convenient.

The tallies of all reasons for selecting KCC (Appendix B, Table B-2) reveal the following top five reasons:

709	45%	close and convenient location[3]
680	43%	desired courses
487	31%	low tuition
377	24%	advice of former students, friends
354	23%	good reputation of KCC

c. Choice of Career/Occupation (Item 5)

Students were asked to indicate their choice of career or occupation. (Appendix B, Table B-3). The top two responses were:

263	17%	clerical
255	16%	service, including food and beverage and health assisting occupations

Noteworthy is the fact that 503 students (32%) did not identify the career or occupation they plan to enter. This was especially true of liberal arts majors (345 students).

d. Intention on Highest Degree (Item 6)

Students differed significantly by sex only on the highest college degree they planned to seek (Appendix B, Table B-4). Degree aspirations of the respondents were:

221	16%	certificate
288	20%	associate
471	33%	bachelor's
266	19%	master's
81	6%	doctor's

[3] In addition, students were asked to designate which campus had a "close and convenient location." Of 709 responses, the results were: no designation, 22%; Pensacola, 61%; Diamond Head, 17%.

One-third of the respondents indicated that a bachelor's degree was their goal, this was especially true for more males (35%) than females (32%). Percentages for the other degrees being sought are: certificate or associate degree (females, 40%; males, 27%) and post-baccalaureate degree (females, 21%: males, 30%).

As expected, aspirations of liberal arts majors were for the higher degrees: bachelor's (43%) and post-baccalaureate (35%). However, 15 percent of the vocational education majors also held post-baccalaureate degree aspirations.

e. Work Experience in Major Field (Item 8)

Students were asked to indicate whether they have worked in their field of study. Data show that responses differed by program only. (Appendix B, Table B-5). The responses were:

952	64%	no
237	16%	yes, right now
198	13%	yes, but not right now
111	7%	can't answer (uncertain about major)

Higher proportions of majors in health (70%), liberal arts (68%) and business (65%) have had no work experience in their field of study. In contrast are legal assistant majors (60%), food services and hotel operations majors (42%) and unclassified students (38%) who have had previous or current work experience in their field of study.

2. Selected Factors Which May Affect College Success

The remaining six items in the survey are selected factors which may affect college success. Again for convenience, the items will be discussed in chronological order, as they appeared in the survey, except Item 9 which is discussed last.

a. Concern About College Expenses (Item 3)

Students were asked to indicate whether they were "worried about paying for their tuition, books, and supplies." Their responses were:

1029	66%	not worried
405	26%	somewhat worried
73	5%	worried and asked for financial aid
48	3%	worried but did not ask for financial aid

Students, by program and by sex, did not differ significantly in their response. (Appendix C, Table C-1).

b. Source(s) of Financing First Year of College (Item 4)

Students identified all the sources of financing their first year of college (multiple responses accepted) with the following results:

906	58%	job and/or savings
667	42%	parents and/or relatives, including spouses
123	8%	financial aid from the college
158	10%	benefits (GI, social security, etc.)

We should note that the top two sources of financing for students in all programs, except legal assisting, were job/savings and parents/relatives, including spouses. For further details, by program, see Appendix C, Table C-2.

c. Present Employment Status (Item 7)--Data are reported in two ways: work status now and where the job was located.

Students were asked to indicate if they were "now working in a paying job." Responses differed by program and by sex (Appendix C, Table C-3), and are presented below:

175	12%	no, I have never worked for pay
414	28%	no, but I have worked for pay in other years
601	41%	yes, part-time
292	20%	yes, full-time

About three-fifths of the respondents indicated that they were now working (41% part-time and 20% full-time), ranging from legal assistant majors (78%) and unclassified students (71%) to health majors (37%). More males (66%) than females (56%) are currently working.

Although 30 percent of this group of respondents did not indicate the type of job they held, the jobs of those who did respond were concentrated in three areas: service, including food and beverage handling (31%), marketing and sales (14%), and clerical positions (14%).

A majority (661) of the students who are now working indicated where their jobs were located. Their responses differed by program only (Appendix C, Table C-3) and are as follows:

6	1%	part-time, on-campus
431	65%	part-time, off-campus
3	1%	full-time, on-campus
221	33%	full-time, off-campus

A great majority (98%) of students are working off-campus. Off-campus, part-time rates ranged from health (79%) and food services and hotel operations (74%) to unclassified students (42%) and legal assisting majors (0%). Off-campus, full-time rates ranged from legal assisting (5 or 100%) to health majors (21%).

d. Approximate Average Grade in High School (Item 10)

Students were asked to approximate their average grade in high school. Their responses, which differed significantly by sex only (Appendix C, Table C-4), were:

99	7%	A (3.5 and above)
573	38%	B (3.0 - 3.4)
679	45%	C (2.0 - 2.9)
26	2%	D (1.0 - 1.9)
120	8%	No idea

Nearly one-half (45%) of the respondents estimated their high school grade average as a "C"; this was especially true for males (53%). More than half of the females (51%) indicated "A" and "B" averages.

It should be noted that legal assistant majors (90%) and health majors (61%) approximated their high school GPA in the "A" and "B" range,[4] while the great majority of liberal arts majors (84%) rated their average in the "B" and "C" range.

[4]There are special requirements for admission to the legal assistant and most health programs.

e. Self-Perceptions Regarding Preparation in Selected Areas (Item 11)

Students were asked to rate how well prepared they felt in several areas. The results are summarized in Table 2. Responses to three (math skills, science, history/social studies) of the selected areas were found to differ significantly, by program, and also on three (math skills, science, study habits), by sex.

TABLE 2

RATINGS ON PREPARATION
IN EIGHT SELECTED AREAS
KAPIOLANI COMMUNITY COLLEGE
FALL 1980 ENTERING STUDENTS

Note: The percentages (%) are based on the number of respondents that differed from item to item, as shown in the table.

AREA	Characteristic[a]		Very Well		Adequately		Poorly		Not at All		Number of Respondents
	Prog	Sex	No.	H%	No.	H%	No.	H%	No.	H%	
Math Skills	**	*	159	11	937	65	288	20	61	4	1445
Reading	***		310	21	957	66	163	11	19	1	1449
Writing	***		240	17	984	68	202	14	20	1	1446
Science	***	***	94	7	857	60	409	29	68	5	1428
Hist/Soc Stud	**		144	10	956	67	276	20	43	3	1419
Job Skills			319	23	956	68	108	8	29	2	1412
Music/Art			216	15	713	51	340	24	130	9	1399
Study Habits	***	**	176	12	970	68	246	17	30	2	1422

[a]Levels of significance, based on chi-square analysis, are denoted thus: * .05, ** .01, *** .001.

In all but two areas (science, 60%; music/art, 51%), more than three-fifths of the respondents felt their preparation was "adequate." In addition, students felt "very well" prepared in job skills (23%) and reading (21%). On the other hand, except in the area of job skills (10%), at least one-eighth of the students rated their preparation as "poor" or "not at all"; this was especially true for science (34%) and music/art (33%).

Reading and job skills were among the highest ranked areas (adequate or better preparation) for all programs, especially for health majors (98% and 93%, respectively). Table 3 presents the combined rankings for adequate or better preparation, by program. The combined rankings for music/art were the lowest for all programs except food services and hotel operations majors (science, 58%).

TABLE 3

ADEQUATE OR BETTER (COMBINED) PREPARATION
IN EIGHT SELECTED AREAS, BY PROGRAM
KAPIOLANI COMMUNITY COLLEGE
FALL 1980 ENTERING STUDENTS

Note: Percentages given are based upon the number of respondents that differed from item to item, as shown in the appendix.

AREA	Liberal Arts		Business		Health		Food/Hoper		Public Service		Unclassified	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Math Skills	481	75	317	79	50	89	164	71	6	60	78	66
Reading	559	88	348	86	55	98	190	86	10	100	105	88
Writing	540	85	338	84	55	98	178	81	10	100	103	87
Science	431	69	253	63	53	95	126	58	7	78	81	69
Hist/Soc Stud	491	79	300	76	51	91	264	75	9	100	85	74
Job Skills[a]	552	90	359	90	51	93	201	91	10	100	102	87
Music/Art[a]	422	69	247	63	43	80	142	68	5	56	70	60
Study Habits	495	80	334	84	50	89	163	75	10	100	94	81

[a]On these items only, there were no significant differences, by program. (See Table 2)

Health majors, except for music/art (80%) consistently rated their preparation favorably (at least 89%), especially in the areas of reading and writing (98%) and science (95%). Noteworthy is the fact that among health majors were the highest proportions of students who felt their preparation was "adequate or better" in all eight areas.

A few comments follow on the items on which responses showed significant differences, by sex: higher proportions of males felt their preparation was adequate or better in math (80%) and science (73%), while 83 percent of the females felt similarly prepared in their study habits.

The findings in this section highlight selected data in Appendix C, Table C-5. Campus personnel are urged to carefully study the details to obtain a clearer picture of their clientele and the demands on their programs or subject area.

f. Self-Perceptions Regarding Likelihood of Selected Events (Item 9)

Students were presented with a list of circumstances and asked to indicate their applicability or likelihood of occurrence. The responses, summarized in Table 4, show that the items fall into two groups. The first group includes six items with more than a one-third "likelihood" rate, ranging from "transfer to another college" and "find work in major field" (36%) to "attend classes regularly" (85%). About half indicated they would "make at least a B average" and would "be satisfied with KCC." Among items in the second group are three items with a 1% likelihood rate: "drop out temporarily," "fail one or more courses," and "drop out after one semester."

TABLE 4

SELF-PERCEPTIONS REGARDING LIKELIHOOD OF SELECTED EVENTS[a]
KAPIOLANI COMMUNITY COLLEGE
FALL 1980 ENTERING STUDENTS

Note: The following percentages show the proportion of students who, by checking the item, answered "yes."

"Chances are very good that you will":	Yes (total) N	%	Range: Program				Higher Proportion: Sex	
Total	1571	100						
Attend classes regularly	1341	85					89%	female
Make at least a B average	846	54	74%	health	44%	food/hoper	56%	female
Be satisfied with KCC	734	47	70%	legal	42%	unclassified	50%	female
Get a degree from KCC	638	41	88%	health	15%	unclassified	44%	female
Transfer to another college	558	36	52%	liberal arts	0%	legal	40%	male
Change major field of study	174	11	14%	liberal arts	0%	legal		
Seek job counseling	299	19	21%	food/hoper, business	5%	health	22%	female
Need tutoring	116	7						
Drop out temporarily	17	1						
Fail one or more courses	17	1						
Drop out after this semester	13	1						
Find work in major field	567	36	60%	health	24%	unclassified	40%	female

[a]Range/higher proportion given only when responses differed significantly by program or by sex.

Responses to all but one (attend class regularly) of the six top ranked items were found to differ significantly by program (Appendix C, Table C-6). Health majors seemed especially determined about the pursuit of their education at Kapiolani, as reflected by several items: "attend classes regularly" (93%), "get a degree from KCC" (88%), "make at least a B average" (74%). As expected, higher proportions of liberal arts majors planned to "transfer to another college" (52%) and "change major field of study" (14%).

Responses to all of the six top ranked items were found to differ significantly, by sex. Females had higher likelihood rates, except for "transfer to another college" (males, 40%).

The data in Table 4 represent a small fraction of what is available in Appendix C, Table C-6. Campus personnel are urged to study these details on students in their program.

E. Summary and Concluding Comments

Despite a lower rate of return (67%) than anticipated, the responses to the Fall 1980 Entering Student Survey, coupled with the characteristics for all Fall 1980 entering students[5] and similar data for the Fall 1979 entering group, provide campus personnel with useful data in their efforts to plan and evaluate programs and services.

1. Profile of Respondents

In general, the Fall 1980 entering students who responded to the survey (the majority or plurality) were:

44% majors in liberal arts; business, *27%*
62% females
43% below 19 years old; 19 - 21 years, *27%*
57% full-time students
73% new students

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[5]This report is currently being prepared from files which contain official (sixth week) enrollment data.

These students also said they were:

- attending college to prepare for a career — *68%*
- seeking as their highest degree
  - *33%* bachelor's
  - *24%* post-baccalaureate
  - *20%* associate
- attending KCC because of
  - *45%* close and convenient location
  - *43%* courses offered
- not worrying about college expenses — *66%*
- relying on their wages or savings for financing their first year of college — *58%*
- lacking experience in work related to their field of study — *64%*
- working
  - *41%* part-time
  - *20%* full-time

Another set of questions sought the self-perceptions of respondents in several areas related to their academic preparation and likelihood of selected events occurring. The respondents felt that they:

- maintained grade point averages in high school of:
  - *45%* C
  - *38%* B
- were adequately or better prepared in eight selected areas:
  - *90%* job skills
  - *87%* reading
  - *85%* writing
  - *81%* study habits
  - *78%* history, social studies
  - *76%* math skills
  - *67%* science
  - *66%* music, art

About a third or more of the respondents also felt that there was a very good chance of the following six (out of twelve) events taking place:

85% attend classes regularly
54% make at least a B average
47% be satisfied with KCC
41% get a degree from KCC
36% find work in major field
36% transfer to another college

2. Comparison of Fall 1980 and Fall 1979 Respondents

In general, the responses of both the Fall 1980 and Fall 1979 entering groups were similar, differing by only a few percentage points on most of the items. There were some differences, however, and these are presented below for the Fall 1980 and Fall 1979[6] respondents, respectively:

fewer were

- below 19 years old *(43% vs 50%)*
- attending college to prepare for a career *(68% vs 75%)*
- optimistic about finding work in field of study *(36% vs 40%)*

more were

- attending KCC because of the close and convenient location *(45% vs 39%)*
- seeking post-baccalaureate degrees *(24% vs 20%)*
- working full-time *(20% vs 16%)*

[6]Due to a difference in computer programming, percentages for Fall 1979 data (as reported in KSFP Report No. 3) were recalculated for this comparison.

3. Concluding Comments

The majority of the respondents indicated goals which were serious and related to their future activities (e.g., attending college to prepare for a career, 68%). They also felt adequately prepared in many areas and indicated generally positive attitudes about their future at Kapiolani Community College. These responses may, in part, be attributed to the fact that the respondents were generally new to higher education (73%) and young (below 19 years, 43%; 19 - 21 years, 27%).

Further examination of the data shows some noteworthy relationships in responses; for example,

- while more than two-thirds of the respondents are attending college to prepare for a career (68%), few felt there was a good chance of finding work in their field of study (36%). Also, despite this pessimism, few expected to seek job counseling (19%) or to change their major (11%).

- while less than half of the respondents expected to be satisfied with KCC (47%), very few planned to drop out after this semester (1%) or drop out temporarily (1%). (Data on the Fall 1979 entering group show that only 69% returned for their second semester.)

- while many respondents expected to attend classes regularly (85%) and make at least a B average (54%), large numbers of them were working (full-time, 20%; and part-time, 41%) and few expected to need tutoring (7%).

We hope that the results of this survey will be viewed in light of all the data (in particular, the progression data[7]) already collected on the Fall 1979 entering group.

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[7]Kapiolani Community College, "Fall 1979 Entering Students at the Beginning of their Second Semester (Spring 1980)," KSFP Report No. 5, July 1980.

As campus personnel study their areas of concern, perhaps such questions as the following should be explored:

- Are we doing the best job possible in making entering students aware of what is expected of them at Kapiolani Community College? When is the best time to make these expectations known: before applications or after acceptance? What techniques and information will be most effective?

- Why do so many students expect not to be satisfied with KCC? To what extent is this feeling due to the nature of entering students (i.e., the rather large numbers of students, especially liberal arts majors, expecting to transfer)? Could the negative response be a reflection of their recent registration experience? Why do relatively few select KCC because of its (good) reputation and upon the advice of former students or friends?

- Are the students attending KCC as well prepared as they perceive so as to be able to accomplish their goals with little anticipated in the way of support services? Are outreach activities necessary to familiarize students with the services that could help them to reassess their needs in the light of their goals and KCC's performance expectations?

Several items were deliberately included in the survey to test their effectiveness in predicting second-semester enrollment and first-semester grade point average. We hope that campus personnel will find all of these findings helpful. Finally, anyone who is interested in further analyzing the data is encouraged to contact the staff working on the Student Flow Program.

APPENDIX

APPENDIX A

ENTERING STUDENT SURVEY
Kapiolani Community College
Fall 1980

Dear Entering Student:

Welcome to Kapiolani Community College!

We are especially interested in getting to know our students and their needs. You can help by supplying us with information at different times during the school year to help evaluate and improve what we're doing.

After you have completed all phases of your registration, we hope you will take a few minutes to answer the Entering Student Survey. Your questionnaire has a label on it to make it easy for us to summarize the characteristics of respondents on a group basis. Responses are confidential and not reported for specific individuals.

Thank you very much for your help.

_____
Joyce S. Tsunoda, Provost

1. Why are you coming to College? (Check all that apply; then circle the single most important reason).

   _____1. get a degree or certificate
   _____2. prepare for a career
   _____3. increase chances for a raise and/or promotion in my present job
   _____4. prepare for transfer to a four-year college
   _____5. learn skills for enriching my daily life
   _____6. improve my ability to get along with people
   _____7. become involved in campus activities
   _____8. develop self-confidence
   _____9. meet people and make friends
   ____10. satisfy wishes of parents

2. Which reasons were very important to you in selecting this college? (Check all that apply; then circle the single most important reason).

   _____1. wishes of parents and/or other relatives
   _____2. advice of teachers, counselors
   _____3. good reputation of college
   _____4. advice of former students, friends
   _____5. this college has courses I want
   _____6. low tuition
   _____7. close and convenient location (____8. Pensacola, ____9. Diamond Head)

(Please turn over and continue)

3. Are you worried about how to pay for tuition, books, and supplies? (Check one).

____1. no
____2. somewhat
____3. yes, a lot. Have you applied for financial aid? yes ____ no ____

4. You will get money for your first year of college from: (Check all that apply).

____1. your full-time or part-time job; and/or your savings
____2. parents and/or relatives, including spouse (husband or wife)
____3. financial aid from the college (including CWSP)
____4. GI and/or social security and other benefits
____5. other, please indicate: _____

5. What career or occupation are you planning to enter? (e.g., typist/secretary, bookkeeper, accounting clerk, cook, food service manager, LPN, medical lab technician, data processing programmer, legal assistant).

_____

6. What is the highest degree you plan to obtain from any College? (Check one)

____1. none
____2. certificate
____3. associate
____4. bachelor's
____5. master's
____6. doctor's or professional degrees
____7. other; please specify _____

7. Are you working in a paying job this semester? (Check one)

____1. no; never worked for pay
____2. no; worked for pay before
____3. yes; part-time (lower than 35 hours) →
____4. yes; full-time (35 hours or more) →

If you are working, please indicate:
Employer:_____
Job Title:_____
How long: _____years

8. Have you worked in the field you'll be majoring in? (Check one)

____1. no
____2. yes; working in same field now
____3. yes; worked in the field before (but not right now)
____4. can't answer; I'm not sure what I'll major in

(Please turn over and continue)

9. The chances are very good that you will: (Check all that apply)

____1. attend classes regularly
____2. make at least a B average in this college
____3. be satisfied with this college
____4. get the degree you seek from this college
____5. transfer to another college
____6. change major field of study
____7. seek counseling about what job to choose
____8. need tutoring
____9 temporarily stop coming to college
___10. fail one or more courses
___11. drop out after this semester
___12. find a job in your field of study after graduation

10. Your average grade in high school was approximately: (Check one)

____1. A (3.5 and above)
____2. B (3.0 - 3 4)
____3. C (2.0 - 2.9)
____4. D (1.0 - 1.9)
____5. no idea

11. How well prepared do you feel in the following areas: (Check one response for each area:

Area	1. Not at all	2. Poorly	3. Adequately	4. Very Well
1. math skills				
2. reading				
3. writing				
4. science				
5. history, social studies				
6. job skills				
7. music and/or art skills				
8. study habits				

Please turn in your survey to the monitor before you leave.

Mahalo!

APPENDIX B

TABLES RELATED TO NATURE OF COLLEGE PLANS

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TABLE B-1

REASONS FOR ATTENDING COLLEGE
KAPIOLANI COMMUNITY COLLEGE
FALL 1980 ENTERING STUDENTS

MOST IMPORTANT REASON	ORGSTRC LIBERAL ARTS 1	BUSINESS 2	HEALTH SERVICES 3	FOOD SVC & HOSPT 4	PUBLIC SERVICE 5	UNCLASSIFIED 6	ROW TOTAL
1 GET CERT-DEGREE	98	80	17	55	1	15	266
	17.8	24.1	34.7	28.2	16.7	14.2	21.5
2 PREP FOR CAREER	229	172	30	108	3	37	579
	41.6	51.8	61.2	55.4	50.0	34.9	46.7
3 RAISE - PROMOTION	8	27	0	5	2	23	65
	1.5	8.1	0.0	2.6	33.3	21.7	5.2
4 TRANSFER 4-YR COL	172	24	1	10	0	18	225
	31.2	7.2	2.0	5.1	0.0	17.0	18.2
5 ENRICH LIFE	25	15	1	12	0	13	66
	4.5	4.5	2.0	6.2	0.0	12.3	5.3
6 GET ALONG-PEOPLE	3	3	0	1	0	0	7
	0.5	0.9	0.0	0.5	0.0	0.0	0.6
8 DEV. CONFIDENCE	3	4	0	0	0	0	7
	0.5	1.2	0.0	0.0	0.0	0.0	0.6
9 MEET PEOPLE	4	2	0	1	0	0	7
	0.7	0.6	0.0	0.5	0.0	0.0	0.6
10 SATISFY PARENTS	9	5	0	3	0	0	17
	1.6	1.5	0.0	1.5	0.0	0.0	1.4
COLUMN TOTAL	551	332	49	195	6	106	1239
	44.5	26.8	4.0	15.7	0.5	8.6	100.0

30 OUT OF 54 (55.6%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 0.034
RAW CHI SQUARE = 240.1[illegible]95 WITH 40 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

NUMBER OF MISSING OBSERVATIONS = 334

ALL REASONS FOR ATTENDING COLLEGE

	GET DEGREE OR CERT.		PREPARE FOR CAREER		RAISE-PROMOTION		TRANSFER 4-YR COL		ENRICH LIFE	
LIB ARTS	358	51.5	447	64.4	86	12.3	394	56.7	208	29.9
BUSINESS	284	66.5	318	74.4	107	25.0	97	22.7	149	34.8
HEALTH	41	71.9	43	75.4	6	10.5	7	12.2	18	31.5
FS-HOTEL	171	67.5	192	75.8	56	22.1	53	20.9	95	37.5
PUB. SER	8	80.0	7	70.0	4	40.0			3	30.0
UNCLASS.	55	42.3	68	52.3	30	23.0	47	36.1	46	35.3
TOTAL	917	58.3	1075	68.4	289	18.3	598	38.0	519	33.0

	GET ALONG W/ PEOPLE		CAMPUS ACTIVITIES		DEVELOP CONFIDENCE		MEET PEOPLE		SATISFY PARENTS		TOTAL
LIB ARTS	111	15.9	45	6.4	127	18.3	161	23.1	111	15.9	2048
BUSINESS	76	17.7	37	8.6	102	23.8	107	25.0	73	17.0	1350
HEALTH	7	12.2	2	3.5	7	12.2	9	15.7	2	3.5	142
FS-HOTEL	41	16.2	20	7.9	56	22.1	80	31.6	42	16.6	806
PUB. SER	2	20.0			4	40.0	2	20.0			30
UNCLASS.	21	16.1	7	5.3	26	20.0	26	20.0	5	3.8	331
TOTAL	258	16.4	111	7.0	322	20.4	385	24.5	233	14.8	4707

TABLE B 2

REASONS FOR SELECTING KAPIOLANI
KAPIOLANI COMMUNITY COLLEGE
FALL 1980 ENTERING STUDENTS

MOST IMPORTANT REASON / ORGSTRC	LIBERAL ARTS (1)	BUSINESS (2)	HEALTH SERVICES (3)	FOOD SVC & HOSPTLTY (4)	PUBLIC SERVICE (5)	UNCLASSIFIED (6)	ROW TOTAL
1 PARENT'S WISHES	29	19	0	8	0	3	59
	5.6	5.8	0.0	4.5	0.0	2.9	5.0
2 TEACHER'S ADVICE	70	32	1	26	0	5	134
	13.4	9.8	2.0	14.5	0.0	4.9	11.3
3 GOOD REPUTATION	54	31	1	24	0	2	112
	10.4	9.5	2.0	13.4	0.0	2.0	9.4
4 FORMER STUDENTS	57	26	2	9	1	6	101
	10.9	7.9	4.0	5.0	12.5	5.9	8.5
5 DESIRED COURSES	91	140	45	84	6	38	404
	17.5	42.7	90.0	46.9	75.0	37.3	34.0
6 LOW TUITION	77	30	0	7	1	14	129
	14.8	9.1	0.0	3.9	12.5	13.7	10.9
7 GOOD LOCATION	143	50	1	21	0	34	249
	27.4	15.2	2.0	11.7	0.0	33.3	21.0
COLUMN TOTAL	521	328	50	179	8	102	1188
	43.9	27.6	4.2	15.1	0.7	8.6	100.0

10 OUT OF 42 (23.8%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 0.397
RAW CHI SQUARE = 210.53496 WITH 30 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

NUMBER OF MISSING OBSERVATIONS = 385

ALL REASONS FOR SELECTING KAPIOLANI

	WISHES OF PARENTS		ADVICE OF TEACHERS		REPUTATION OF COLLEGE		FORMER STUDENTS		GOOD LOCATION		DESIRED COURSES		LOW TUITION		TOTAL
LIB ARTS	82	11.8	158	22.7	144	20.7	184	26.5	340	48.9	172	24.7	231	33.2	1311
BUSINESS	50	11.7	83	19.4	104	24.3	91	21.3	185	43.3	239	55.9	132	30.9	884
HEALTH			3	5.2	5	8.7	6	10.5	8	14.0	52	91.2	9	15.7	83
FS-HOTEL	37	14.6	76	30.0	80	31.6	72	28.4	98	38.7	154	60.8	60	23.7	577
PUB. SER			1	10.0	3	30.0	1	10.0	1	10.0	9	90.0	4	40.0	19
UNCLASS.	14	10.7	17	13.0	18	13.8	23	17.6	77	59.2	54	41.5	51	39.2	254
TOTAL	183	11.6	338	21.5	354	22.5	377	23.9	709	45.1	680	43.2	487	30.9	3128

TABLE B-3

CHOICE OF CAREER/OCCUPATION
KAPIOLANI COMMUNITY COLLEGE
FALL 1980 ENTERING STUDENTS

COUNT / ORGSTRC	LIBERAL ARTS 1	BUSINESS 2	HEALTH SERVICES 3	FOOD SVC & HOSPER. 4	PUBLIC SERVICE 5	UNCLASSIFIED 6	ROW TOTAL
1 NO DATA	345	52	1	41	1	63	503
							32.0
2 EXECUTIVE, ADMIN	41	57	0	5	0	8	111
							7.1
3 ENG., ARCHITECT	8	0	0	0	0	1	9
							0.6
4 NAT. SCI., MATH	2	7	0	1	0	1	11
							0.7
5 SOCIAL WORK, LAW	32	0	0	0	1	3	36
							2.3
6 HLTH DIAG-TREAT	11	1	0	0	0	0	12
							0.8
7 RN, PHARMACIST	23	0	0	0	0	2	25
							1.6
8 ARTIST, ENTER.	24	1	0	0	0	5	30
							1.9
9 HEALTH TECH.	58	2	48	1	0	10	119
							7.6
10 TECH.-NOT HEALTH	59	72	0	2	8	11	152
							9.7
11 MARKETING, SALES	11	12	0	1	0	4	28
							1.8
12 CLERICAL	28	214	0	6	0	15	263
							16.7
13 SERVICE	38	9	8	196	0	4	255
							16.2
14 AGRIC., FISHING	2	0	0	0	0	0	2
							0.1
16 TRANS., MOVING	2	0	0	0	0	1	3
							0.2
17 MECHANIC, REPAIR	1	0	0	0	0	0	1
							0.1
20 MILITARY	1	0	0	0	0	0	1
							0.1
21 MISCELLANEOUS	8	0	0	0	0	2	10
							0.6
COLUMN TOTAL	694	427	57	253	10	130	1571
	44.2	27.2	3.6	16.1	0.6	8.3	100.0

NUMBER OF MISSING OBSERVATIONS = 2

TABLE B-4

INTENTION ON HIGHEST DEGREE
KAPIOLANI COMMUNITY COLLEGE
FALL 1980 ENTERING STUDENTS

	COUNT / COL PCT	ORGSTRC: LIBERAL ARTS (1)	BUSINESS (2)	HEALTH SERVICES (3)	FOOD SVC & HOSPR* (4)	PUBLIC SERVICE (5)	UNCLASSIFIED (6)	ROW TOTAL
NONE	1	35 5.6	25 6.3	2 3.7	14 6.2	0 0.0	25 21.9	101 7.1
CERTIFICATE	2	40 6.4	83 20.9	14 25.9	68 30.1	1 10.0	15 13.2	221 15.5
ASSOCIATE	3	63 10.0	127 32.0	14 25.9	70 31.0	3 30.0	11 9.6	288 20.2
BACHELOR	4	269 42.8	99 24.9	18 33.3	45 19.9	3 30.0	37 32.5	471 33.0
MASTER'S	5	164 26.1	53 13.4	3 5.6	26 11.5	2 20.0	18 15.8	266 18.6
DOCTOR'S	6	57 9.1	9 2.3	3 5.6	3 1.3	1 10.0	8 7.0	81 5.7
OTHER	7	0 0.0	1 0.3	0 0.0	0 0.0	0 0.0	0 0.0	1 0.1
	COLUMN TOTAL	629 43.9	397 27.8	54 3.8	226 15.8	10 0.7	114 8.0	1429 100.0

14 OUT OF 42 (33.3%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 0.007
RAW CHI SQUARE = 303.17065 WITH 30 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

NUMBER OF MISSING OBSERVATIONS = 144

TABLE B-5

WORK EXPERIENCE IN MAJOR FIELD
KAPIOLANI COMMUNITY COLLEGE
FALL 1980 ENTERING STUDENTS

	COUNT / COL PCT	ORGSTRC: LIBERAL ARTS (1)	BUSINESS (2)	HEALTH SERVICES (3)	FOOD SVC & HOSPR* (4)	PUBLIC SERVICE (5)	UNCLASSIFIED (6)	ROW TOTAL
NO	1	449 67.6	270 65.1	39 69.6	133 57.3	4 40.0	57 47.1	952 63.6
YES-RIGHT NOW	2	74 11.1	62 14.9	6 10.7	62 26.7	4 40.0	29 24.0	237 15.8
YES-BEFORE	3	62 9.3	71 17.1	10 17.9	36 15.5	2 20.0	17 14.0	198 13.2
CAN'T ANSWER	4	79 11.9	12 2.9	1 1.8	1 0.4	0 0.0	18 14.9	111 7.4
	COLUMN TOTAL	664 44.3	415 27.7	56 3.7	232 15.5	10 0.7	121 8.1	1498 100.0

4 OUT OF 24 (16.7%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 0.741
RAW CHI SQUARE = 117.68073 WITH 15 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

NUMBER OF MISSING OBSERVATIONS = 75

APPENDIX C

TABLES RELATED TO
SELECTED FACTORS WHICH MAY AFFECT COLLEGE SUCCESS

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TABLE C-1

CONCERN ABOUT COLLEGE EXPENSES
KAPIOLANI COMMUNITY COLLEGE
FALL 1980 ENTERING STUDENTS

	DRGSTRC COUNT COL PCT	LIBERAL ARTS 1	BUSINESS 2	HEALTH SERVICES 3	FOOD SVC & HOPER 4	PUBLIC SERVICE 5	UNCLAS-SIFIED 6	ROW TOTAL
NO	1	461 66.8	280 66.2	35 63.6	160 64.5	6 60.0	87 67.4	1029 66.2
SOMEWHAT	2	180 26.1	107 25.3	15 27.3	72 29.0	2 20.0	29 22.5	405 26.0
YES-ASKD FOR AID	3	29 4.2	22 5.2	3 5.5	10 4.0	2 20.0	7 5.4	73 4.7
YES-DID NOT ASK	4	20 2.9	14 3.3	2 3.6	6 2.4	0 0.0	6 4.7	48 3.1
	COLUMN TOTAL	690 44.4	423 27.2	55 3.5	248 15.9	10 0.6	129 8.3	1555 100.0

6 OUT OF 24 (25.0%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 0.309
RAW CHI SQUARE = 9.94398 WITH 15 DEGREES OF FREEDOM. SIGNIFICANCE = 0.8232

NUMBER OF MISSING OBSERVATIONS = 18

TABLE C-2

SOURCE(S) OF FINANCING FIRST YEAR OF COLLEGE
KAPIOLANI COMMUNITY COLLEGE
FALL 1980 ENTERING STUDENTS

	JOB-SAVINGS		PARENTS RELATIVES		COLLEGE FIN. AID		GI.FICA BENEFITS		OTHER		TOTAL	
LIB ARTS	375	54.0	321	46.2	50	7.2	76	10.9	21	3.0	843	121.4
BUSINESS	265	62.0	176	41.2	42	9.8	34	7.9	14	3.2	531	124.3
HEALTH	31	54.3	31	54.3	4	7.0	2	3.5	2	3.5	70	122.8
FS-HOTEL	142	56.1	100	39.5	20	7.9	36	14.2	11	4.3	309	122.1
PUB. SER	7	70.0	1	10.0	1	10.0	1	10.0			10	100.0
UNCLASS.	86	66.1	38	29.2	6	4.6	9	6.9	6	4.6	145	111.5
TOTAL	906	57.6	667	42.4	123	7.8	158	10.0	54	3.4	1908	121.4

TABLE C-3

PRESENT EMPLOYMENT STATUS
KAPIOLANI COMMUNITY COLLEGE
FALL 1980 ENTERING STUDENTS

EMPLOYMENT STATUS	COUNT / COL PCT	ORGSTRC ILIBERAL ARTS 1	BUSINESS 2	HEALTH SERVICES 3	FOOD SVC & HOPER* 4	PUBLIC SERVICE 5	UNCLASSIFIED 6	ROW TOTAL
NO-NEVER WORKED	1	90	46	2	25	1	11	175
		13.6	11.3	3.5	11.0	11.1	9.1	11.8
NO-WORKED BEFORE	2	173	116	34	66	1	24	414
		26.2	28.4	59.6	29.1	11.1	19.8	27.9
YES - PARTTIME	3	279	167	18	96	0	41	601
		42.3	40.9	31.6	42.3	0.0	33.9	40.6
YES - FULLTIME	4	118	79	3	40	7	45	292
		17.9	19.4	5.3	17.6	77.8	37.2	19.7
	COLUMN TOTAL	660	408	57	227	9	121	1482
		44.5	27.5	3.8	15.3	0.6	8.2	100.0

4 OUT OF 24 (16.7%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 1.068
RAW CHI SQUARE = 79.92101 WITH 15 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

NUMBER OF MISSING OBSERVATIONS = 91

ON OR OFF CAMPUS	COUNT / COL PCT	ORGSTRC ILIBERAL ARTS 1	BUSINESS 2	HEALTH SERVICES 3	FOOD SVC & HOPER* 4	PUBLIC SERVICE 5	UNCLASSIFIED 6	ROW TOTAL
PARTTIME ON CAM	1	4	2	0	0	0	0	6
		1.4	1.0	0.0	0.0	0.0	0.0	0.9
PARTTIME OFF CAM	2	199	124	11	72	0	25	431
		68.2	64.2	78.6	73.5	0.0	42.4	65.2
FULLTIME ON CAM	3	1	0	0	0	0	2	3
		0.3	0.0	0.0	0.0	0.0	3.4	0.5
FULLTIME OFF CAM	4	88	67	3	26	5	32	221
		30.1	34.7	21.4	26.5	100.0	54.2	33.4
	COLUMN TOTAL	292	193	14	98	5	59	661
		44.2	29.2	2.1	14.8	0.8	8.9	100.0

15 OUT OF 24 (62.5%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 0.023
RAW CHI SQUARE = 42.12328 WITH 15 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0002

NUMBER OF MISSING OBSERVATIONS = 234

TABLE C-4

APPROXIMATE HIGH SCHOOL GPA
KAPIOLANI COMMUNITY COLLEGE
FALL 1980 ENTERING STUDENTS

		ORGSTRC						
	COUNT / COL PCT	LIBERAL ARTS	BUSINESS	HEALTH SERVICES	FOOD SVC & HOPER*	PUBLIC SERVICE	UNCLASSIFIED	ROW TOTAL
		1	2	3	4	5	6	
3.5 & ABOVE	1	35 5.3	29 7.0	7 13.0	11 4.7	2 20.0	15 12.7	99 6.6
B 3.0 - 3.4	2	233 35.0	188 45.1	26 48.1	71 30.6	7 70.0	48 40.7	573 38.3
C 2.0 - 2.9	3	324 48.6	174 41.7	19 35.2	122 52.6	1 10.0	39 33.1	679 45.4
D 1.0 - 1.9	4	13 2.0	5 1.2	0 0.0	6 2.6	0 0.0	2 1.7	26 1.7
NO IDEA	5	61 9.2	21 5.0	2 3.7	22 9.5	0 0.0	14 11.9	120 8.0
	COLUMN TOTAL	666 44.5	417 27.9	54 3.6	232 15.5	10 0.7	118 7.9	1497 100.0

10 CUT OF 30 (33.3%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 0.174
RAW CHI SQUARE = 57.39456 WITH 20 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

NUMBER OF MISSING OBSERVATIONS = 76

TABLE C-5

SELF-PERCEPTIONS REGARDING PREPARATION IN SELECTED AREAS
KAPIOLANI COMMUNITY COLLEGE
FALL 1980 ENTERING STUDENTS

ORGSTRC

MATH SKILLS / COUNT / COL PCT	1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPER*	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
1 NOT AT ALL	23	19	0	11	0	8	61
	3.6	4.8	0.0	4.9	0.0	6.8	4.2
2 POORLY	135	83	6	48	4	32	288
	21.1	15.8	10.7	21.5	40.0	27.1	19.9
3 ADEQUATELY	425	253	43	149	4	63	937
	66.5	63.4	76.8	66.8	40.0	53.4	64.8
4 VERY WELL	56	64	7	15	2	15	159
	8.8	16.0	12.5	6.7	20.0	12.7	11.0
COLUMN TOTAL	639	399	56	223	10	118	1445
	44.2	27.6	3.9	15.4	0.7	8.2	100.0

5 OUT OF 24 (20.8%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 0.422
RAW CHI SQUARE = 39.47383 WITH 15 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0005

NUMBER OF MISSING OBSERVATIONS = 128

ORGSTRC

READING / COUNT / COL PCT	1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPER*	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
1 NOT AT ALL	9	7	0	1	0	2	19
	1.4	1.7	0.0	0.5	0.0	1.7	1.3
2 POORLY	71	49	1	30	0	12	163
	11.1	12.1	1.8	13.6	0.0	10.1	11.2
3 ADEQUATELY	423	277	32	157	5	63	957
	66.2	68.6	57.1	71.0	50.0	52.9	66.0
4 VERY WELL	136	71	23	33	5	42	310
	21.3	17.6	41.1	14.9	50.0	35.3	21.4
COLUMN TOTAL	639	404	56	221	10	119	1449
	44.1	27.9	3.9	15.3	0.7	8.2	100.0

6 OUT OF 24 (25.0%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 0.131
RAW CHI SQUARE = 47.06393 WITH 15 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

NUMBER OF MISSING OBSERVATIONS = 124

ORGSTRC

WRITING / COUNT / COL PCT	1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPER*	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
1 NOT AT ALL	11	5	0	3	0	1	20
	1.7	1.2	0.0	1.4	0.0	0.8	1.4
2 POORLY	88	59	1	39	0	15	202
	13.8	14.7	1.8	17.7	0.0	12.6	14.0
3 ADEQUATELY	435	285	38	153	5	68	984
	68.1	70.9	67.9	69.5	50.0	57.1	68.0
4 VERY WELL	105	53	17	25	5	35	240
	16.4	13.2	30.4	11.4	50.0	29.4	16.6
COLUMN TOTAL	639	402	56	220	10	119	1446
	44.2	27.8	3.9	15.2	0.7	8.2	100.0

6 OUT OF 24 (25.0%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 0.138
RAW CHI SQUARE = 46.10106 WITH 15 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0001

NUMBER OF MISSING OBSERVATIONS = 127

TABLE C-5 (continued)

SCIENCE	ORGSTRC 1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPEN	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
1 NOT AT ALL	21	21	1	15	0	10	68
	3.3	5.3	1.8	6.8	0.0	8.5	4.8
2 POORLY	175	126	2	78	2	26	409
	27.9	31.5	3.6	35.6	22.2	22.2	28.6
3 ADEQUATELY	384	236	45	118	5	69	857
	61.2	59.0	80.4	53.9	55.6	59.0	60.0
4 VERY WELL	47	17	8	8	2	12	94
	7.5	4.3	14.3	3.7	22.2	10.3	6.6
COLUMN TOTAL	627	400	56	219	9	117	1428
	43.9	28.0	3.9	15.3	0.6	8.2	100.0

5 OUT OF 24 (20.8%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 0.429
RAW CHI SQUARE = 52.16034 WITH 15 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

NUMBER OF MISSING OBSERVATIONS = 145

HISTORY SOCIAL STUDIES	ORGSTRC 1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPEN	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
1 NOT AT ALL	14	10	1	11	0	7	43
	2.2	2.5	1.8	5.0	0.0	6.1	3.0
2 POORLY	119	86	4	44	0	23	276
	19.1	21.7	7.1	20.1	0.0	20.0	19.5
3 ADEQUATELY	430	270	39	146	6	65	956
	68.9	68.2	69.6	66.7	66.7	56.5	67.4
4 VERY WELL	61	30	12	18	3	20	144
	9.8	7.6	21.4	8.2	33.3	17.4	10.1
COLUMN TOTAL	624	396	56	219	9	115	1419
	44.0	27.9	3.9	15.4	0.6	8.1	100.0

5 OUT OF 24 (20.8%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 0.273
RAW CHI SQUARE = 39.38206 WITH 15 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0006

NUMBER OF MISSING OBSERVATIONS = 154

JOB SKILLS	ORGSTRC 1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPEN	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
1 NOT AT ALL	15	5	0	4	0	5	29
	2.4	1.3	0.0	1.8	0.0	4.3	2.1
2 POORLY	46	33	4	15	0	10	108
	7.5	8.3	7.3	6.8	0.0	8.5	7.6
3 ADEQUATELY	408	286	40	152	5	65	956
	66.6	72.0	72.7	69.1	50.0	55.6	67.7
4 VERY WELL	144	73	11	49	5	37	319
	23.5	18.4	20.0	22.3	50.0	31.6	22.6
COLUMN TOTAL	613	397	55	220	10	117	1412
	43.4	28.1	3.9	15.6	0.7	8.3	100.0

7 OUT OF 24 (29.2%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 0.205
RAW CHI SQUARE = 22.77518 WITH 15 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0890

NUMBER OF MISSING OBSERVATIONS = 161

TABLE C-5 (continued)

MUSIC/ART	ORGSTRC 1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPR	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
1 NOT AT ALL	48 7.8	37 9.4	3 5.6	24 11.4	1 11.1	17 14.5	130 9.3
2 POORLY	145 23.6	110 27.9	8 14.8	44 21.0	3 33.3	30 25.6	340 24.3
3 ADEQUATELY	317 51.5	203 51.5	34 63.0	105 50.0	2 22.2	52 44.4	713 51.0
4 VERY WELL	105 17.1	44 11.2	9 16.7	37 17.6	3 33.3	18 15.4	216 15.4
COLUMN TOTAL	615 44.0	394 28.2	54 3.9	210 15.0	9 0.6	117 8.4	1399 100.0

4 OUT OF 24 (16.7%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 0.836
RAW CHI SQUARE = 24.75748 WITH 15 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0533

NUMBER OF MISSING OBSERVATIONS = 174

STUDY HABITS	ORGSTRC 1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPR	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
1 NOT AT ALL	13 2.1	7 1.8	0 0.0	5 2.3	0 0.0	5 4.3	30 2.1
2 POORLY	114 18.3	59 14.8	6 10.7	50 22.9	0 0.0	17 14.7	246 17.3
3 ADEQUATELY	438 70.4	277 69.3	34 60.7	142 65.1	5 50.0	74 63.8	970 68.2
4 VERY WELL	57 9.2	57 14.3	16 28.6	21 9.6	5 50.0	20 17.2	176 12.4
COLUMN TOTAL	622 43.7	400 28.1	56 3.9	218 15.3	10 0.7	116 8.2	1422 100.0

6 OUT OF 24 (25.0%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 0.211
RAW CHI SQUARE = 49.08252 WITH 15 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

NUMBER OF MISSING OBSERVATIONS = 151

TABLE C-6

SELF-PERCEPTIONS REGARDING LIKELIHOOD OF SELECTED EVENTS
KAPIOLANI COMMUNITY COLLEGE
FALL 1980 ENTERING STUDENTS

ORGSTRC

ATTEND CLASSES REGULARLY	COUNT / COL PCT	1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPER*	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
0 NO		104	61	4	42	1	18	230
		15.0	14.3	7.0	16.6	10.0	13.8	14.6
1 YES		590	366	53	211	9	112	1341
		85.0	85.7	93.0	83.4	90.0	86.2	85.4
COLUMN TOTAL		694	427	57	253	10	130	1571
		44.2	27.2	3.6	16.1	0.6	8.3	100.0

1 OUT OF 12 (8.3%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 1.464
RAW CHI SQUARE = 3.77549 WITH 5 DEGREES OF FREEDOM. SIGNIFICANCE = 0.5822

NUMBER OF MISSING OBSERVATIONS = 2

ORGSTRC

MAKE AT LEAST B AVERAGE	COUNT / COL PCT	1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPER*	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
0 NO		319	187	15	142	3	59	725
		46.0	43.8	26.3	56.1	30.0	45.4	46.1
1 YES		375	240	42	111	7	71	846
		54.0	56.2	73.7	43.9	70.0	54.6	53.9
COLUMN TOTAL		694	427	57	253	10	130	1571
		44.2	27.2	3.6	16.1	0.6	8.3	100.0

1 OUT OF 12 (8.3%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 4.615
RAW CHI SQUARE = 21.19897 WITH 5 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0007

NUMBER OF MISSING OBSERVATIONS = 2

ORGSTRC

SATISFIED WITH KCC	COUNT / COL PCT	1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPER*	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
0 NO		372	224	20	142	3	76	837
		53.6	52.5	35.1	56.1	30.0	58.5	53.3
1 YES		322	203	37	111	7	54	734
		46.4	47.5	64.9	43.9	70.0	41.5	46.7
COLUMN TOTAL		694	427	57	253	10	130	1571
		44.2	27.2	3.6	16.1	0.6	8.3	100.0

1 OUT OF 12 (8.3%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 4.672
RAW CHI SQUARE = 12.12586 WITH 5 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0331

NUMBER OF MISSING OBSERVATIONS = 2

ORGSTRC

GET DEGREE FROM KCC	COUNT / COL PCT	1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPER*	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
0 NO		492	200	7	121	2	111	933
		70.9	46.8	12.3	47.8	20.0	85.4	59.4
1 YES		202	227	50	132	8	19	638
		29.1	53.2	87.7	52.2	80.0	14.6	40.6
COLUMN TOTAL		694	427	57	253	10	130	1571
		44.2	27.2	3.6	16.1	0.6	8.3	100.0

1 OUT OF 12 (8.3%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 4.061
RAW CHI SQUARE = 175.29994 WITH 5 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

NUMBER OF MISSING OBSERVATIONS = 2

TABLE C-6 (continued)

TRANSFER TO ANOTHER COLL	COUNT / COL PCT	ORGSTRC 1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPR*	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
0 NO		334	334	50	206	10	79	1013
		48.1	78.2	87.7	81.4	100.0	60.8	64.5
1 YES		360	93	7	47	0	51	558
		51.9	21.8	12.3	18.6	0.0	39.2	35.5
COLUMN TOTAL		694	427	57	253	10	130	1571
		44.2	27.2	3.6	16.1	0.6	8.3	100.0

1 OUT OF 12 (8.3%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 3.552
RAW CHI SQUARE = 167.67516 WITH 5 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0

NUMBER OF MISSING OBSERVATIONS = 2

CHANGE MAJOR	COUNT / COL PCT	ORGSTRC 1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPR*	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
0 NO		595	385	55	236	10	116	1397
		85.7	90.2	96.5	93.3	100.0	89.2	88.9
1 YES		99	42	2	17	0	14	174
		14.3	9.8	3.5	6.7	0.0	10.8	11.1
COLUMN TOTAL		694	427	57	253	10	130	1571
		44.2	27.2	3.6	16.1	0.6	8.3	100.0

1 OUT OF 12 (8.3%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 1.108
RAW CHI SQUARE = 17.28072 WITH 5 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0040

NUMBER OF MISSING OBSERVATIONS = 2

SEEK JOB COUNSELING	COUNT / COL PCT	ORGSTRC 1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPR*	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
0 NO		559	338	54	200	8	113	1272
		80.5	79.2	94.7	79.1	80.0	86.9	81.0
1 YES		135	89	3	53	2	17	299
		19.5	20.8	5.3	20.9	20.0	13.1	19.0
COLUMN TOTAL		694	427	57	253	10	130	1571
		44.2	27.2	3.6	16.1	0.6	8.3	100.0

1 OUT OF 12 (8.3%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 1.903
RAW CHI SQUARE = 11.60165 WITH 5 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0407

NUMBER OF MISSING OBSERVATIONS = 2

NEED TUTORING	COUNT / COL PCT	ORGSTRC 1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPR*	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
0 NO		634	402	57	233	8	121	1455
		91.4	94.1	100.0	92.1	80.0	93.1	92.6
1 YES		60	25	0	20	2	9	116
		8.6	5.9	0.0	7.9	20.0	6.9	7.4
COLUMN TOTAL		694	427	57	253	10	130	1571
		44.2	27.2	3.6	16.1	0.6	8.3	100.0

2 OUT OF 12 (16.7%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 0.738
RAW CHI SQUARE = 10.08799 WITH 5 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0728

NUMBER OF MISSING OBSERVATIONS = 2

TABLE C-6 (continued)

DROP OUT TEMPORARILY	ORGSTRC	1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPER*	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
0 NO	COUNT	689	421	56	249	10	129	1554
	COL PCT	99.3	98.6	98.2	98.4	100.0	99.2	98.9
1 YES	COUNT	5	6	1	4	0	1	17
	COL PCT	0.7	1.4	1.8	1.6	0.0	0.8	1.1
COLUMN TOTAL		694	427	57	253	10	130	1571
		44.2	27.2	3.6	16.1	0.6	8.3	100.0

5 OUT OF 12 (41.7%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 0.108
RAW CHI SQUARE = 2.32157 WITH 5 DEGREES OF FREEDOM. SIGNIFICANCE = 0.8031

NUMBER OF MISSING OBSERVATIONS = 2

FAIL ONE OR MORE COURSES	ORGSTRC	1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPER*	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
0 NO	COUNT	688	422	56	249	10	129	1554
	COL PCT	99.1	98.8	98.2	98.4	100.0	99.2	98.9
1 YES	COUNT	6	5	1	4	0	1	17
	COL PCT	0.9	1.2	1.8	1.6	0.0	0.8	1.1
COLUMN TOTAL		694	427	57	253	10	130	1571
		44.2	27.2	3.6	16.1	0.6	8.3	100.0

5 OUT OF 12 (41.7%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 0.108
RAW CHI SQUARE = 1.39566 WITH 5 DEGREES OF FREEDOM. SIGNIFICANCE = 0.9248

NUMBER OF MISSING OBSERVATIONS = 2

DROP OUT AFTER THIS SEMESTER	ORGSTRC	1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPER*	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
0 NO	COUNT	688	426	57	250	10	127	1558
	COL PCT	99.1	99.8	100.0	98.8	100.0	97.7	99.2
1 YES	COUNT	6	1	0	3	0	3	13
	COL PCT	0.9	0.2	0.0	1.2	0.0	2.3	0.8
COLUMN TOTAL		694	427	57	253	10	130	1571
		44.2	27.2	3.6	16.1	0.6	8.3	100.0

5 OUT OF 12 (41.7%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 0.083
RAW CHI SQUARE = 6.26871 WITH 5 DEGREES OF FREEDOM. SIGNIFICANCE = 0.2809

NUMBER OF MISSING OBSERVATIONS = 2

FIND WORK IN MAJOR FIELD	ORGSTRC	1 LIBERAL ARTS	2 BUSINESS	3 HEALTH SERVICES	4 FOOD SVC & HOSPER*	5 PUBLIC SERVICE	6 UNCLASSIFIED	ROW TOTAL
0 NO	COUNT	488	244	23	145	5	99	1004
	COL PCT	70.3	57.1	40.4	57.3	50.0	76.2	63.9
1 YES	COUNT	206	183	34	108	5	31	567
	COL PCT	29.7	42.9	59.6	42.7	50.0	23.8	36.1
COLUMN TOTAL		694	427	57	253	10	130	1571
		44.2	27.2	3.6	16.1	0.6	8.3	100.0

1 OUT OF 12 (8.3%) OF THE VALID CELLS HAVE EXPECTED CELL FREQUENCY LESS THAN 5.0.
MINIMUM EXPECTED CELL FREQUENCY = 3.609
RAW CHI SQUARE = 48.60744 WITH 5 DEGREES OF FREEDOM. SIGNIFICANCE = 0.0000

NUMBER OF MISSING OBSERVATIONS = 2

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